

High-Mu Triode

7-PIN MINIATURE TYPE
For VHF Tuner and Amplifier Applications

GENERAL DATA**Electrical:**

Heater, for Unipotential Cathode:

Voltage (AC or DC) $6.3 \pm 10\%$ volts

Current at 6.3 volts 0.2 amp

Direct Interelectrode Capacitances:

	<i>Without External Shield</i>	<i>With External Shield^o</i>	
Grid to plate.	0.6 max.	0.6 max.	μf
Grid to cathode, internal shield, and heater	3.2	3.2	μf
Plate to cathode, internal shield, and heater	3.2	4	μf

Characteristics, Class A₁ Amplifier:

Plate Voltage. 135 volts

Grid Voltage -1 volt

Amplification Factor 50

Plate Resistance (Approx.) 5600 ohms

Transconductance 9000 μmhos

Plate Current. 11 ma

Grid Voltage (Approx.) for
plate $\mu\text{a} = 100$ -5.5 volts**Mechanical:**

Operating Position Any

Maximum Overall Length 2-1/8"

Maximum Seated Length. 1-7/8"

Length, Base Seat to Bulb Top (Excluding tip). 1-1/2" $\pm$ 3/32"

Diameter 0.650" to 0.750"

Dimensional Outline. See *General Section*

Bulb T5-1/2

Base Small-Button Miniature 7-Pin (JEDEC No. E7-1)

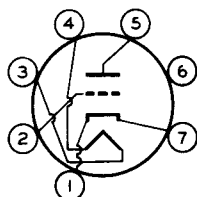
Basing Designation for BOTTOM VIEW 7FP

Pin 1 - Cathode

Pin 2 - Grid

Pin 3 - Heater

Pin 4 - Heater



Pin 5 - Plate

Pin 6 - Internal
Shield

Pin 7 - Cathode



6FH5

AMPLIFIER — Class A₁

Maximum Ratings, *Design-Maximum Values:*

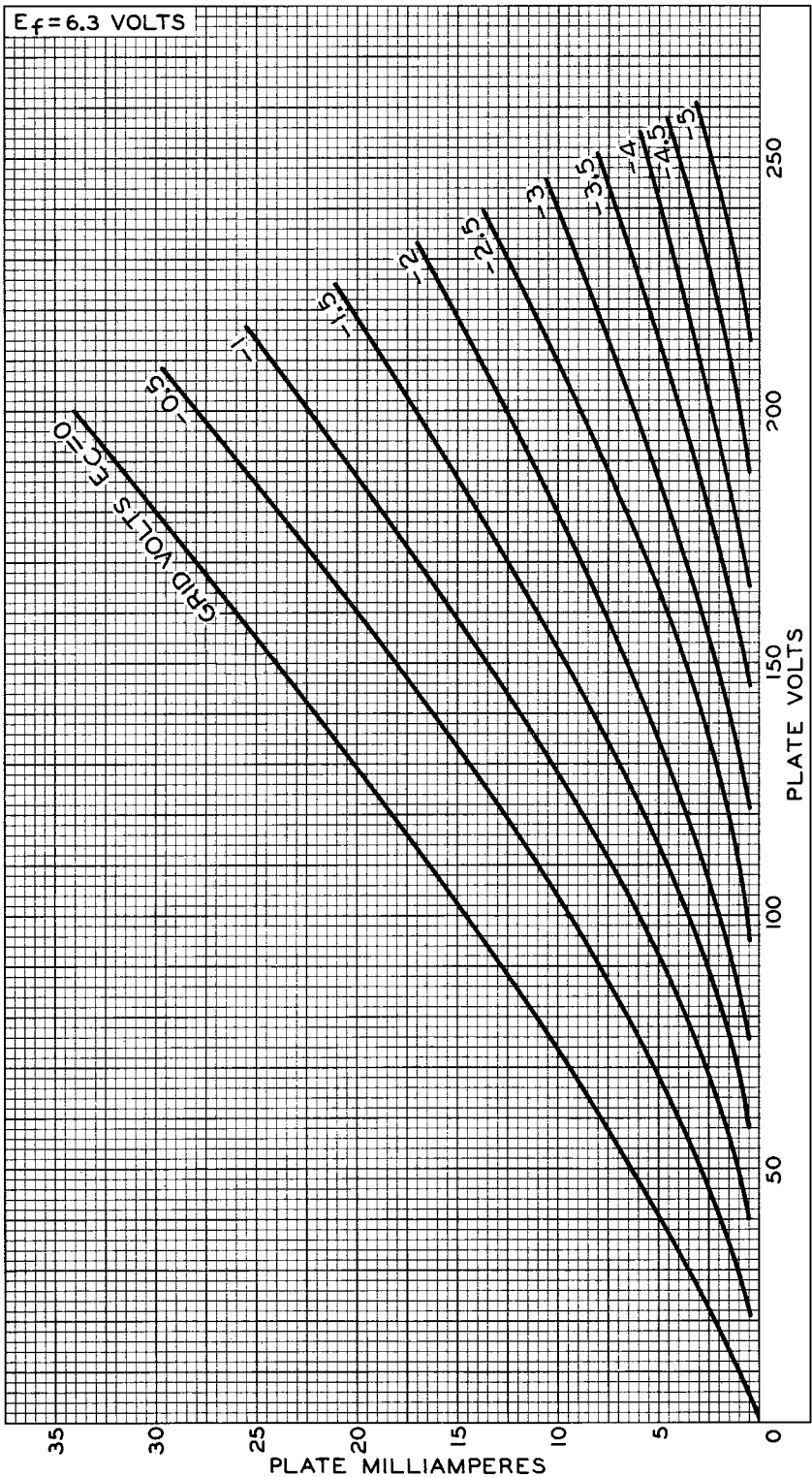
PLATE VOLTAGE.	150 max.	volts
GRID VOLTAGE:		
Positive-bias value.	0 max.	volts
CATHODE CURRENT.	22 max.	ma
PLATE DISSIPATION.	2.2 max.	watts
PEAK HEATER-CATHODE VOLTAGE:		
Heater negative with		
respect to cathode	100 max.	volts
Heater positive with		
respect to cathode	100 max.	volts

Maximum Circuit Values:

Grid-Circuit Resistance:		
For cathode-bias operation	1 max.	megohm

○ with external shield JEDEC No.316 connected to cathode.

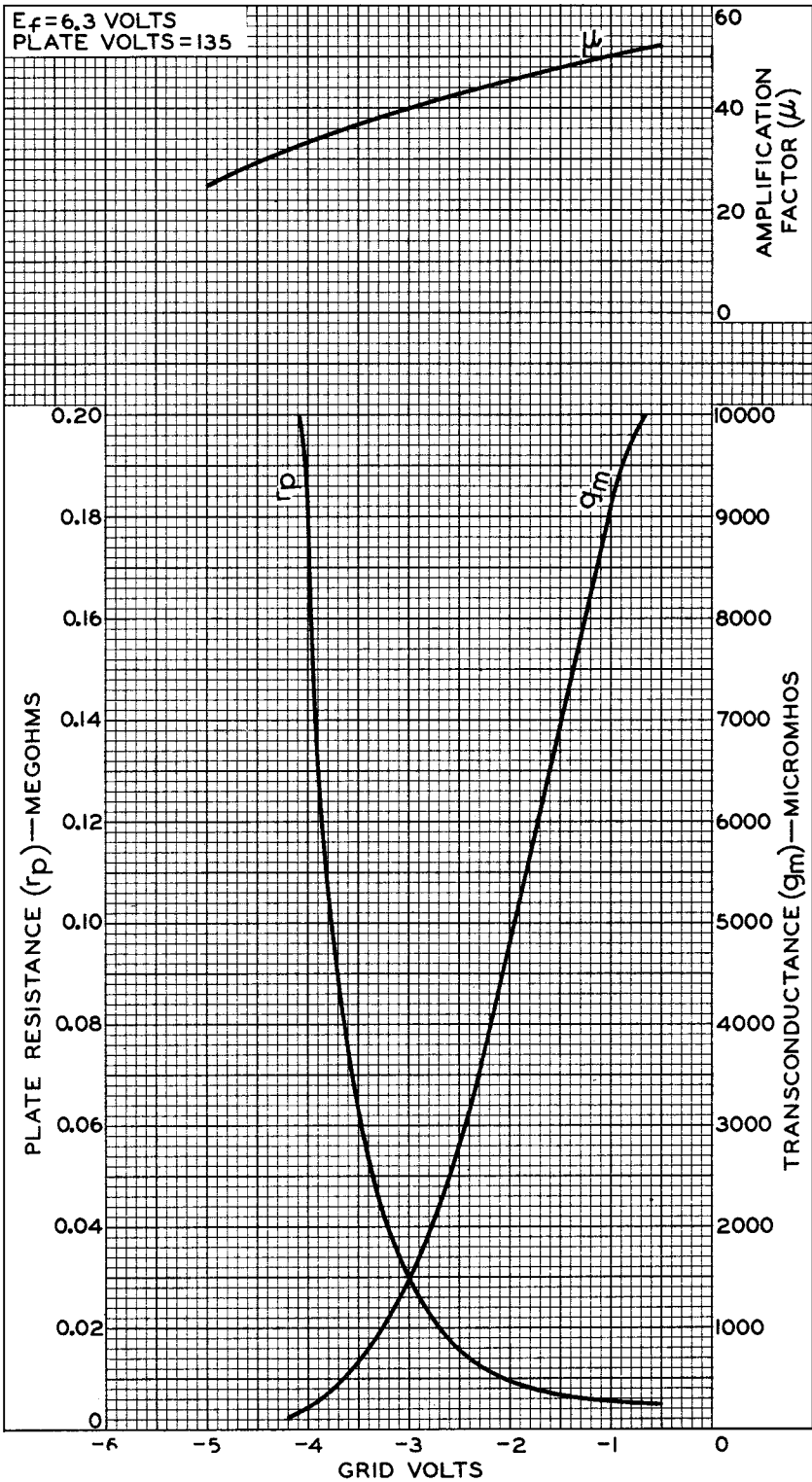
AVERAGE PLATE CHARACTERISTICS



92CM-10355R1



AVERAGE CHARACTERISTICS



92CM-10354RI

